

NOT ENTERED
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of sending first and second signals to a plurality of user equipments, the method comprising :

providing a dedicated channel for each one of the plurality of user equipments,
providing a code-multiplexed shared channel for the plurality of user equipments,
assigning an antenna of a set of antennas to each one of the plurality of user equipments,
sending one of the first signals to one of the plurality of user equipments on one of the dedicated channels on a carrier frequency by applying transmit diversity ~~along with and~~ simultaneously sending one of the second signals on the code-multiplexed shared channel on the carrier frequency by applying multi-user diversity through the assigned antenna.

2. (previously presented): The method of claim 1, wherein the dedicated channel is a DPCCH type channel and the code-multiplexed shared channel is a HS-DSCH type channel of a HSDPA type system.

3. (previously presented) The method of claim 1, further comprising :
- assigning a carrier frequency of a set of at least first and second carrier frequencies to each one of the dedicated channels,